Green ship
Waste Handling Systems

Model:

DT-500GC Glass Crusher

User-/service manual

Delitek as

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E-mail: mail@delitek.no , url: http://www.delitek.no

IMPORTANT SAFETY INSTRUCTIONS:

Please follow these precautions when using this product:

1. Read carefully through and follow the instructions given in this manual
2. Pay attention to all warnings.
3. Installation must be done in accordance with this manual.
4. Protect and avoid the power cable from being walked on, driven over etc. Do not bend the power cable close to the connections.
5. Use only original spare parts approved and recommended by Delitek AS.
6. Qualified personnel must perform repairs and services.
7. **WARNING:** Do not expose the el-locker or el-engine with direct spurt of flushing water.
8. The glass crusher must be placed in an environment that has an operating temperature between minimums –25 degrees Celsius to maximum 45 degrees Celsius.
9. **WARNING:** If the glass crusher needs to be lifted after it is unpacked, this must be done with certified lifting straps around the chassis.
10. **WARNING:** Do not lift the glass crusher by using holes in the chassis or other parts of the glass crusher that is not suited for a lifting operation.
11. The glass crusher is designed to crush glass objects only (bottles, jars etc.).
12. **WARNING:** Waste that is considered as ”hazardous” or ”special category waste” must never be deployed in the glass crusher or its container. Because of fire and explosion hazard, never deploy hot ashes or any type of gas domes into the glass crusher.
13. Ensure that the control panel and the area around the glass crusher have sufficient lighting according to working environment law at site.
14. Qualified personnel must perform a function test of security switches/emergency switch at regular intervals. See chapter 6 for service/maintenance of the glass crusher. If a malfunction appears when the system is running and pressurized, contact Delitek AS to get a description on how to get the pressure balanced.
15. **WARNING:** During operation of the glass-crusher it will be produced dust from the crushed glass inside the container, which might be injurious to your health if breathed In. You should always wait for minimum 5 minutes from the machinery is stopped until you open the hatch or removes the top cover from the container. Doing so will give the dust time to settle.
16. The placing of the glass crusher be such that:
    a) Escape routes are adequate and do not impede escape from hazards which are described in the vessel/ offshore facility manual.
    b) Place for operating the compactor gives adequate attention towards alarm signals and PA announcements.
    c) Necessary information, training and signboards to be provided by the responsible officer onboard.

WARNING! The DT-500GC must be installed in an unclassified zone onboard ships or offshore rigs.

Note: All following dimensions are in metric millimetres.

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1.0 INSTALLATION INSTRUCTIONS

1.1 Installation of the glass crusher on a steel foundation

Before installation: note that the glass crusher must be placed in an environment with operating temperatures between minimum –25 degrees Celsius to maximum 45 degrees Celsius (minimum -13 to max 113 degrees Fahrenheit). Ensure that the control panel and the area around the glass crusher have sufficient lighting according to working environment law at site. In addition, each country's legislation and Health, Environment & Safety regulations regarding operation of this kind of products must be followed.

If the glass crusher is installed in an environment in motion, such as on board a ship, the stands or mounting brackets must be welded to a steel foundation or alternatively mounted rigidly with bolts (see fig. 1). The angle of inclination for the glass crusher should not exceed 5°. Qualified personnel must perform any welding or installation.

WARNING: It is very important to cover up the stainless steel surface on the glass crusher in order to avoid spatter from the welding onto the steel. Welding and work with angle grinders nearby the waste compactor must always be avoided as this will damage the protective oxidizing coating on the waste compactor. This again will cause surface corrosion.

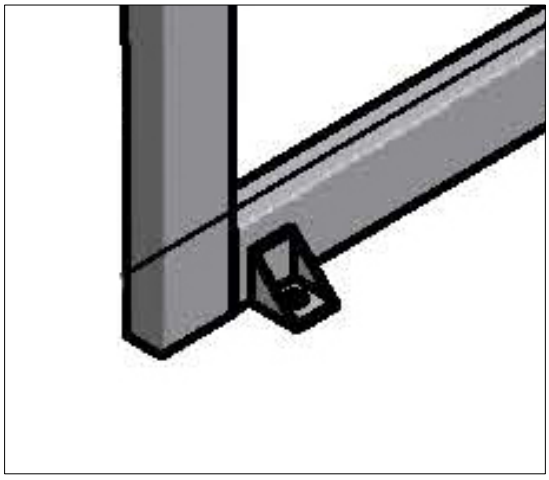

Figure 1. Close up of mounting brackets. See also fig. 2 for overview

WARNING!
In order to avoid possible damages on equipment and personnel, extra containers in store onboard must at all times be secured from freewheeling. The two front wheels on the containers are equipped with a brake device in order to prevent unexpected movements during storage. Engage the brakes to prevent the container from unwanted movements. If stored outside the unit when the ship is at open sea, the containers must be properly secured with straps or other suitable devices.

1.2 Connection to electric supply

Connection of el-supply must de done by a qualified electrician.
Be sure to check that the voltage specified for the glass crusher conforms to the el-supply at site. See chapter 5 for el-diagrams.

Note: Nipples, bushings, gaskets and sealing on the el-locker are controlled during installation. This equipment should also be checked during maintenance and function tests of the glass crusher. Check for damages on door gasket or water leakages into the el-locker. The el-locker must always be closed (except from maintenance purposes).

1.3 Changing the electric configuration

Normally, the glass crusher is configured for 380~480VAC/50~60Hz/ 3 Phase. However, if 220~240V are the only option available, the electric configurations must be changed according to this by your electrician:

1. Be sure to disconnect the el-supply for the glass crusher.
2. The el-motor must be rewired from ”Y” to ” Δ” configuration, according to fig.15.
3. The transformer (located inside the el-panel, see fig 14) must be bypassed by reconnecting the output cables from the transformer to the into the input terminals of the transformer (parallell).
4. Connect the waste compactor to el-supply (220~240V)

1.4 DT-500GC Overview

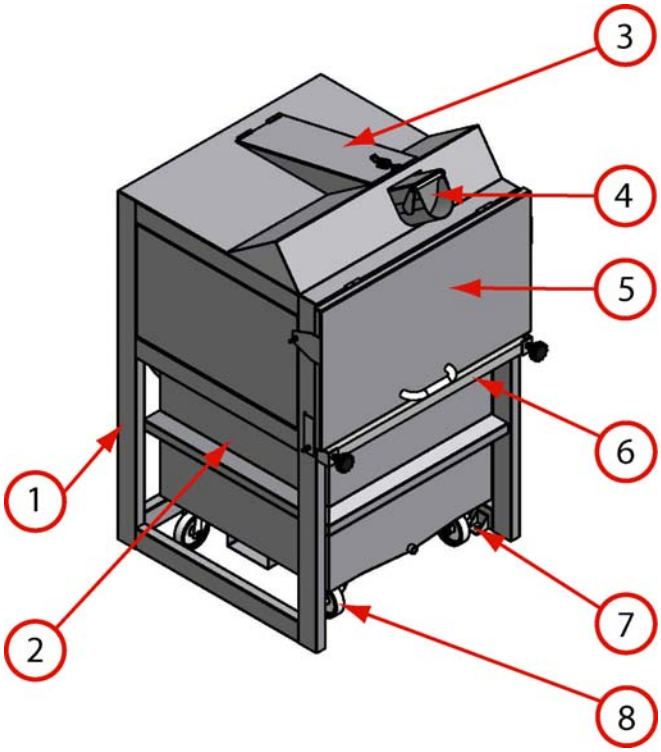

Figure 2. Overview of the DT-500GC

1. DT-500GC chassis/frame
2. Container with “Big bags” installed for collection of crushed glass
3. Inspection/service hatch
4. Feeding tube for glass bottles
5. Hatch for loading/unloading of container
6. Locking bar for container with locking knobs
7. Mounting brackets (one in each corner)
8. Container wheel. 4 in all. 2 in rear of the container (fixed angle) and 2 in front (turning type with brakes)

1.5 Disassembling of the glass crusher

Disassemble the glass crusher in the opposite order to which it has been assembled.

1.6 Pre- installation checklist

- Place the glass crusher package as close as possible to the mounting area.
- The glass crusher is normally packed in a wooden transport frame and covered in plastic. Unpack the glass crusher and remove all crating and plastics. Check for possible damages
- With use of lifting equipment such as a hoist or crane, certified lifting straps around the glass crusher chassis must be used. Do not attempt to lift the glass crusher by using holes in the chassis or other parts of the glass crusher that is not suited for a lifting operation.
- Place the glass crusher on the exact mounting position. See section 1.1 for mounting details.
- An authorized electrician must connect the glass crusher to the onboard el-supply. See section 1.2.

CONGRATULATIONS WITH YOUR NEW GLASS CRUSHER!

2.0 OPERATING INSTRUCTIONS

2.1 Instructions for use, DT-500GC Glass Crusher.

INSTRUCTIONS FOR USE
NB! AUTHORIZED PERSONNEL ONLY
1. Turn on the mains switch.
2. Start the glass crusher with the "START" button on the el-panel.
3. Insert bottles into the feeding tube. Be sure to insert bottles with the bottle-neck first.
4. To check or empty the container: Press the "STOP" button on the el-panel. Note! Wait 5 minutes in order let any dust from the glass-crushing settle. Open the front hatch. Remove the locking bar and roll out the container. Remove the container top cover and remove the big bag. Install a new "Big Bag" in the container. Reattach the top cover on the container. Roll the container in place inside the glass crusher. Be sure to re-attach the locking bar again.
Note: To avoid damages, be sure that whenever the container is inside the glass crusher unit, the locking bar must be attached and secured.
WARNING!
DO NEVER ATTEMPT TO PUT YOUR HAND OR ANY OTHER NON GLASS OBJECT INTO THE FEEDING TUBE. BECAUSE OF FIRE AND EXPLOSION HAZARD, NEVER DEPLOY HOT ASHES OR ANY TYPE OF GAS DOMES INTO THE GLASS CRUSHER/ CONTAINER

Figure 3. Instructions for use

2.2 Dimension overview, DT-500GC glass crusher

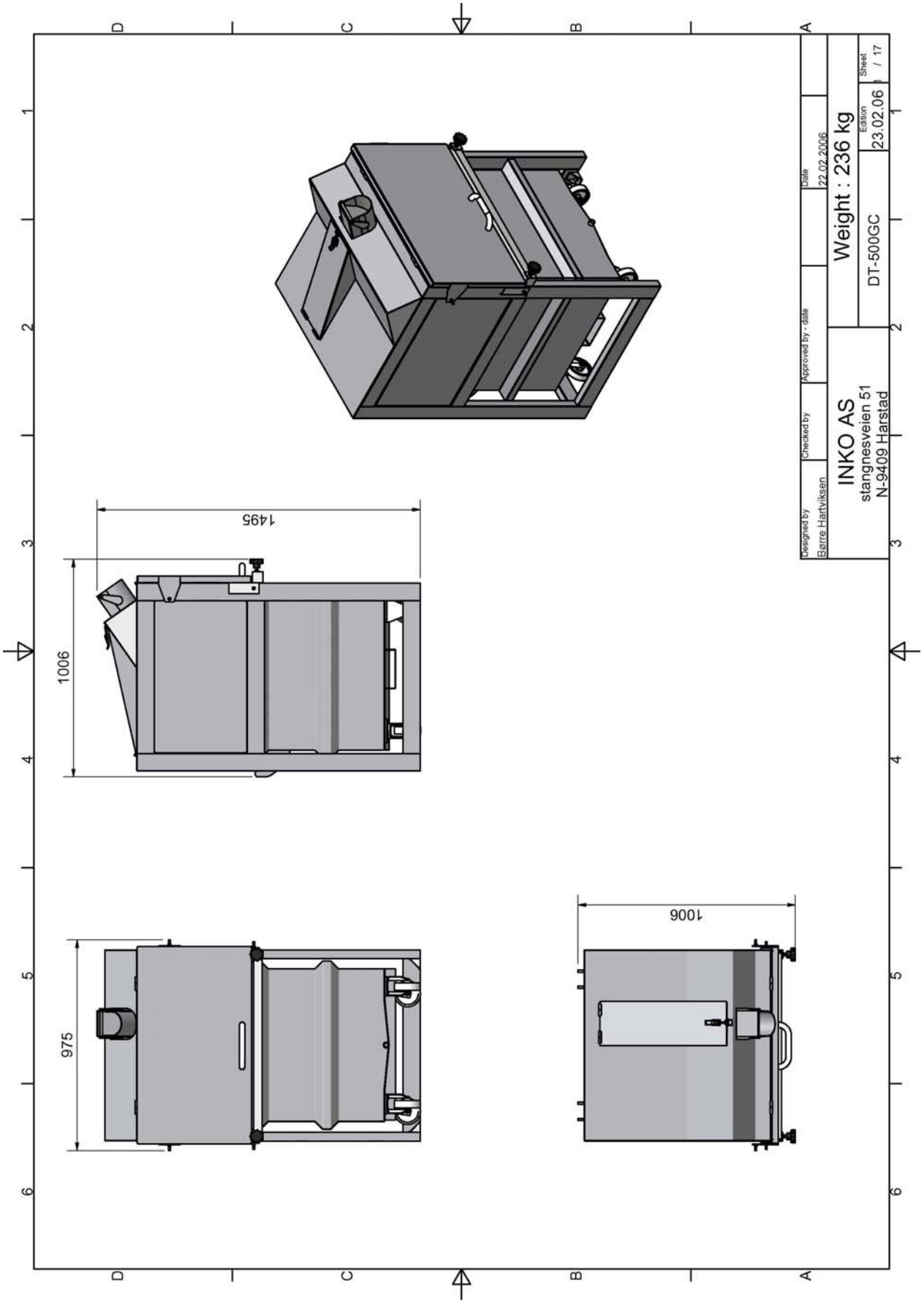

Figure 4. Delitek DT-500GC glass crusher, dimensions overview

2.3 List of components DT-500GC Glass Crusher

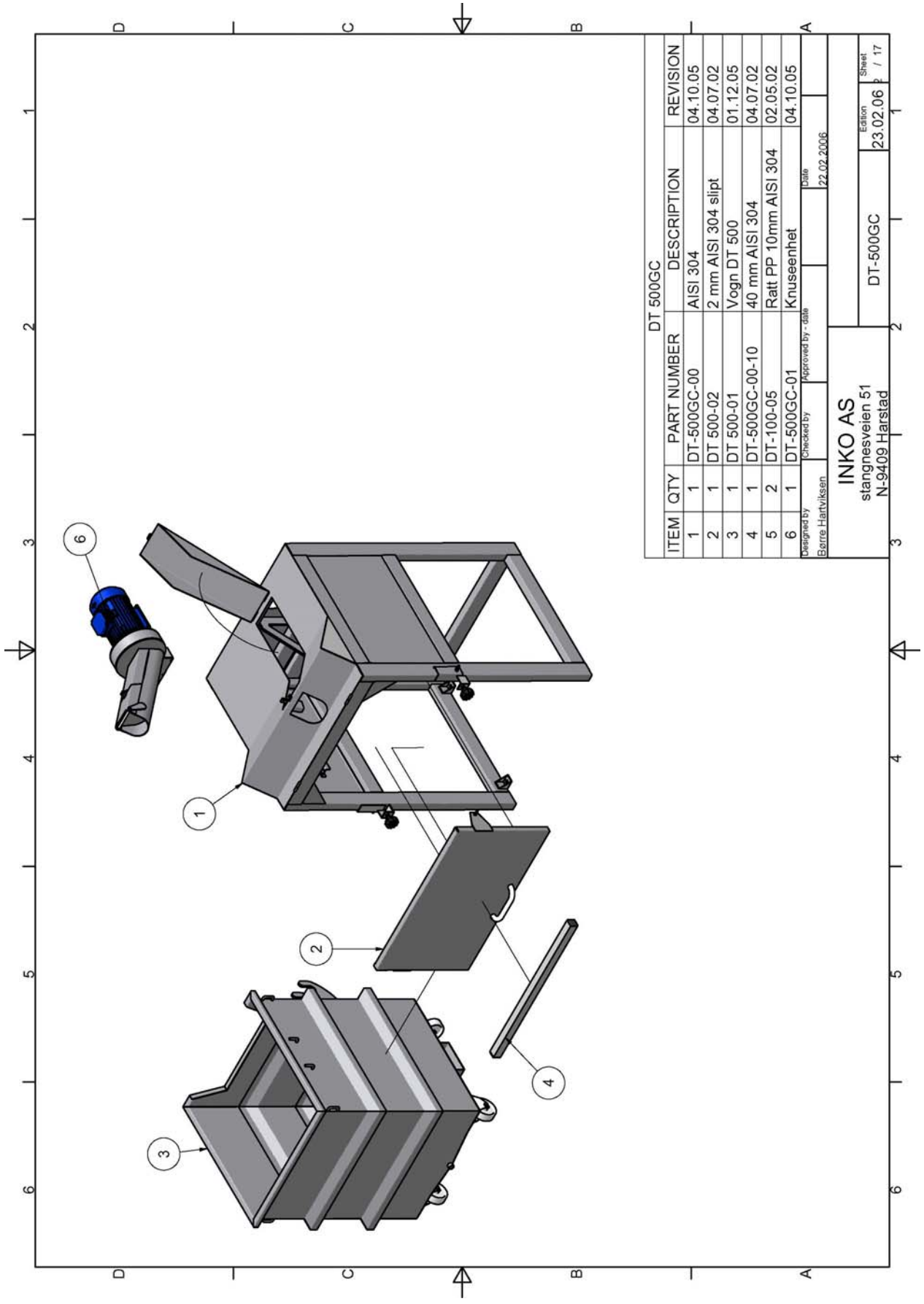
DT 500GC
ITEM | QTY | PART NUMBER | DESCRIPTION | REVISION
1 | 1 | DT-500GC-00 | AISI 304 | 04.10.05
2 | 1 | DT 500-02 | 2 mm AISI 304 slipt | 04.07.02
3 | 1 | DT 500-01 | Vogn DT 500 | 01.12.05
4 | 1 | DT-500GC-00-10 | 40 mm AISI 304 | 04.07.02
5 | 2 | DT-100-05 | Ratt PP 10mm AISI 304 | 02.05.02
6 | 1 | DT-500GC-01 | Knuseenhet | 04.10.05
Designed by
Børre Hartviksen
Checked by
Approved by - date
Date
22.02.2006
INKO AS
stangnesveien 51
N-9409 Harstad
DT-500GC
Edition
23.02.06
Sheet
/ 17
1
2
3
4
5
6

Figure 5. Delitek DT-500GC glass crusher, list of componets

2.4 Details of crushing unit, DT-500GC Glass Crusher

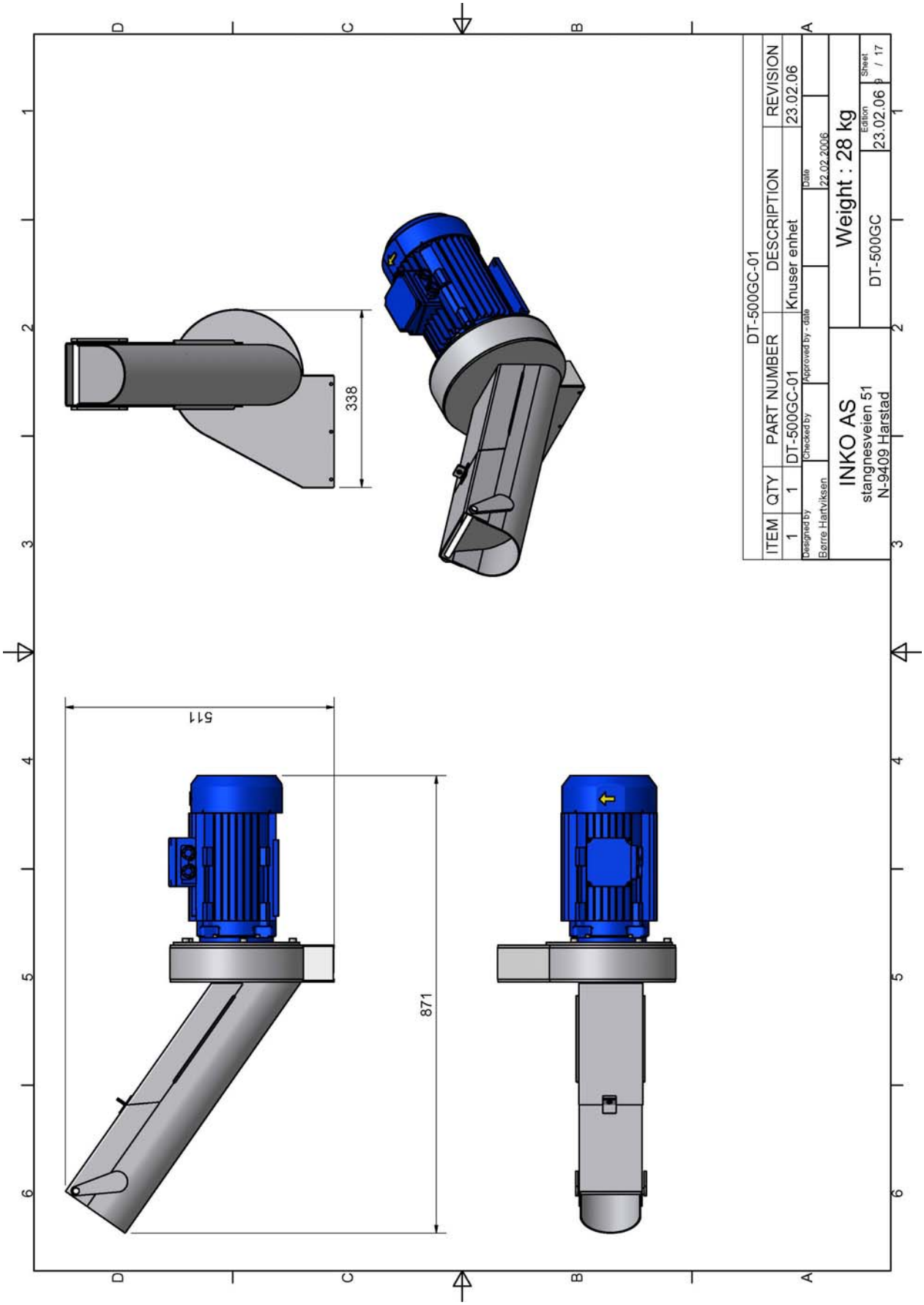

Figure 6. Delitek DT-500GC glass crusher, Crusher unit details

2.5 Crushing unit - part list, DT-500GC Glass Crusher

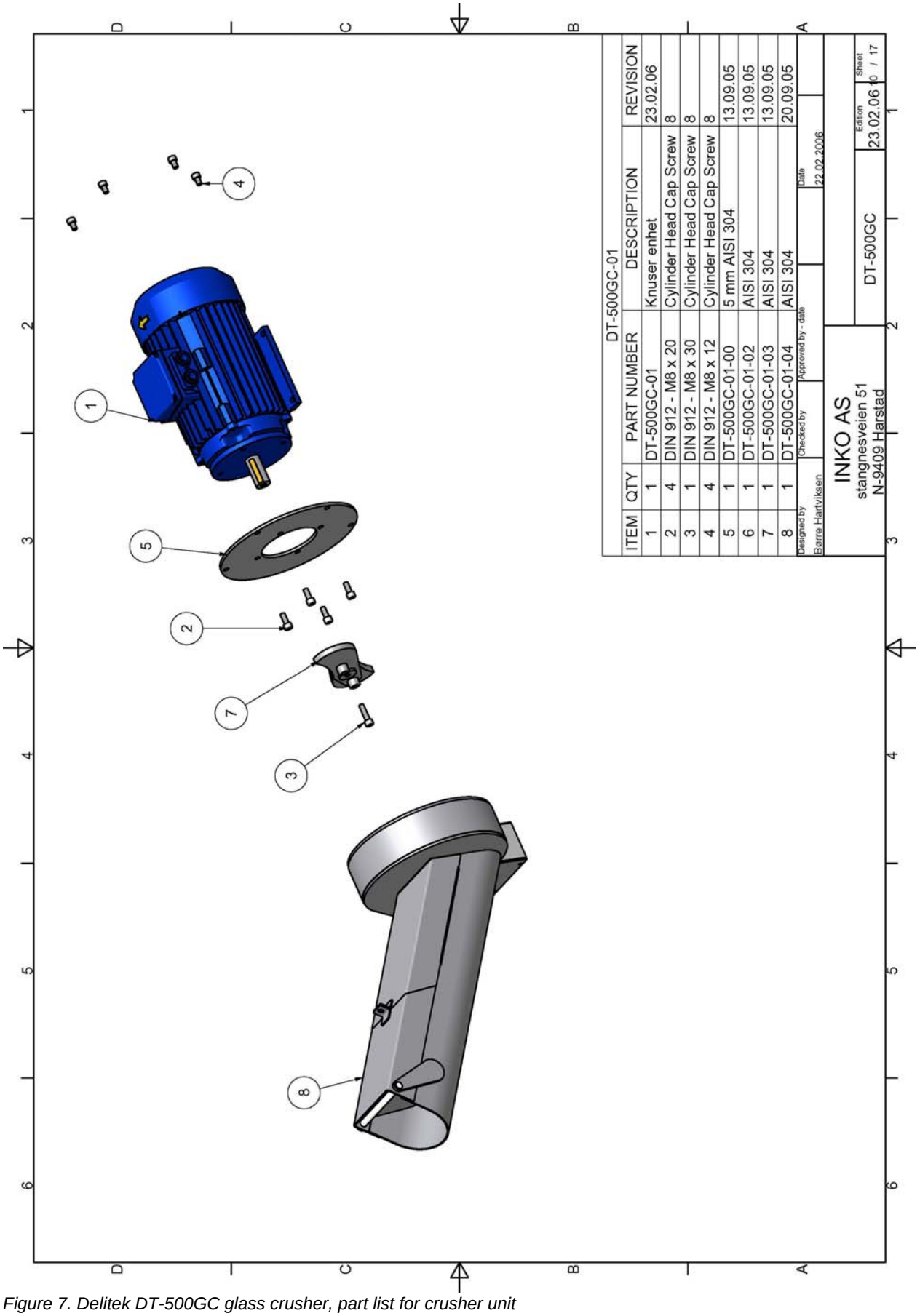
DT-500GC-01
ITEM QTY PART NUMBER DESCRIPTION REVISION
1 1 DT-500GC-01 Knuser enhet 23.02.06
2 4 DIN 912 - M8 x 20 Cylinder Head Cap Screw 8
3 1 DIN 912 - M8 x 30 Cylinder Head Cap Screw 8
4 4 DIN 912 - M8 x 12 Cylinder Head Cap Screw 8
5 1 DT-500GC-01-00 5 mm AISI 304 13.09.05
6 1 DT-500GC-01-02 AISI 304 13.09.05
7 1 DT-500GC-01-03 AISI 304 13.09.05
8 1 DT-500GC-01-04 AISI 304 20.09.05
Designed by
Børre Hartviksen
Checked by
Approved by - date
Date
22.02.2006
INKO AS
stangnesveien 51
N-9409 Harstad
DT-500GC
Edition
23.02.06
Sheet
1 / 17

Figure 7. Delitek DT-500GC glass crusher, part list for crusher unit

2.6 C-500 collection container, list of components

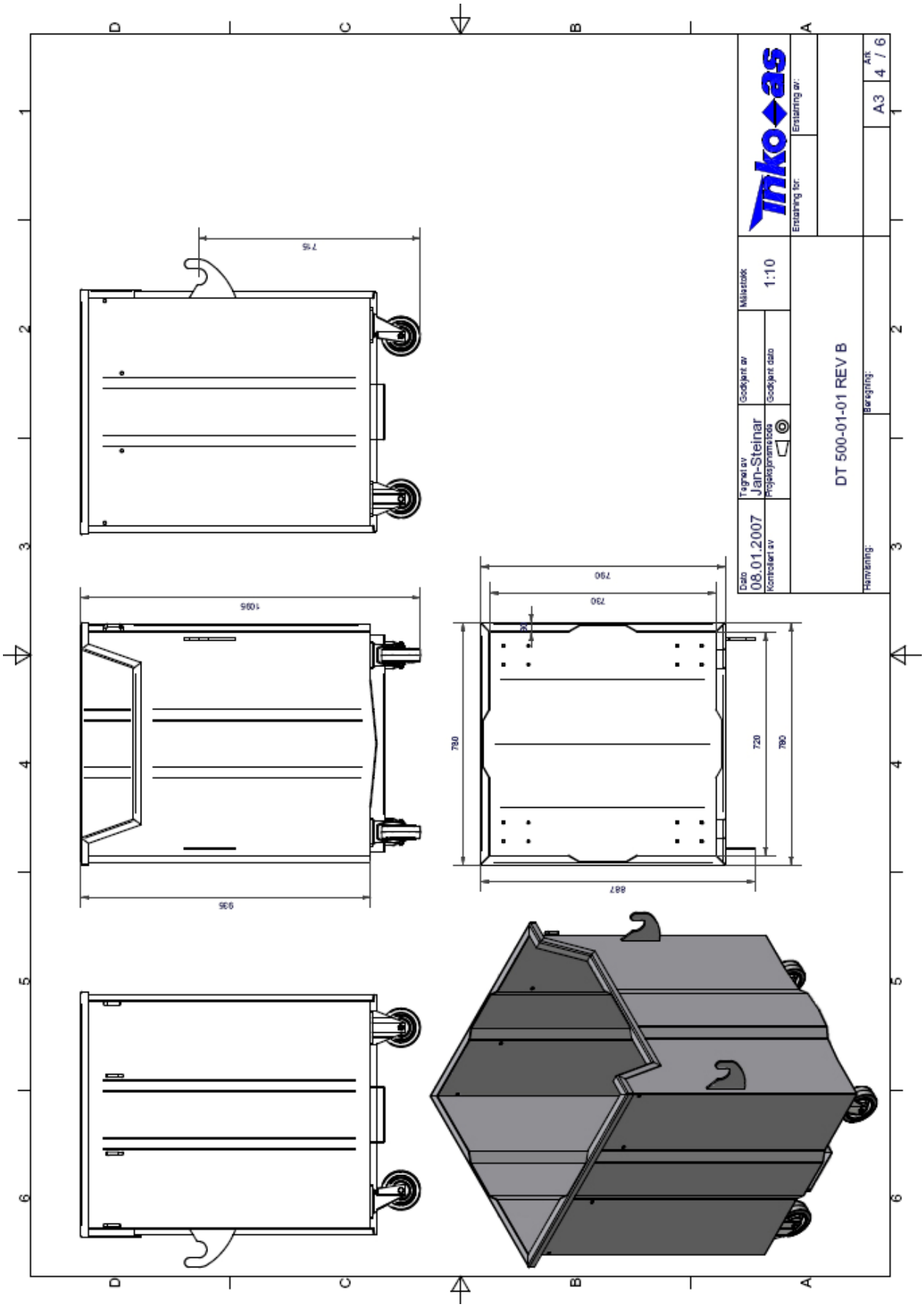

Figure 8. Delitek C-500 collection container, part list

2.7 Operating the DT-500GC glass crusher

1. Place the container (see item 3 in fig. 5) into the glass crusher chassis and secure it with the locking bar.
   NOTE! The C-500 container is also used in our DT-500MKII waste compactors, i.e. containers from the glass-crusher can be used in the waste compactor and vice versa (the containers are therefore fitted with locking brackets and have a sinking for deployment of waste bags in front). Be sure to always insert the container in the glasscrusher with the front first (locking brackets and sinking facing to rear of the glass crusher).
2. Start the glass crusher by pressing the START button on the el-panel (see fig. 9).
3. When the glass crusher is running, start inserting bottles into the feeding tube. Be sure to insert bottles with the bottleneck first. Take special care when inserting bottles. Do not ever put your hand into the feeding tube.
4. Press the **stop** button (see fig. 9) after you are finished with the glass crushing.
5. To check or empty the waste container:

Note! You should always wait for minimum 5 minutes after the machinery is stopped before you open the hatch or remove the top cover from the container. Doing so will give the dust from the crushed glass time to settle.

Open the front hatch. Remove the locking bar and roll out the container. Remove the container top cover and remove the big bag. Install a new big bag in the container. Roll the container back into the glass crusher. Be sure to re-attach the locking bar again.

Figure 9. DT-500GC glass crusher, el-panel

Warning

Whenever the container is in the glass crusher unit, make sure that the locking bar is attached and secured at all times in order to avoid damages.

Do never attempt to put your hands or any other non-glass objects into the feeding tube. Doing so may cause severe injuries on personnel.

Because of fire and explosion hazard, never deploy hot ashes or any type of gas domes into the glass crusher or container.

In case of an accident, the emergency switch must be pushed immediately.

3.0 Using BIG BAGS

3.1 Big Bags

The Delitek DT-500GC glass crusher collects the crushed glass in ”big bags”. When you are using “big bags”, avoid deploying other sharp objects directly in the container, like metal pieces or larger uncrushed glass pieces, which can damage the bag in the container.

Special category waste and waste that belongs in the hazardous waste category must never be deployed in the container.

WARNING! In case of re-use of ”big-bags”, check carefully for damages in material and all lifting straps. If you suspect damages on “big bags”, be sure not to re-use the bag.

Never use other non-certified types of “big bags” not designed for the Delitek DT-500GC or the C-500 waste container.

The “big bags” delivered from Delitek AS have SWL500Kg, provided lifting with all four straps. Do never attempt lifting of a full “big bag” unless all four straps are used, or if the “big bag” has any damages that make lifting unjustifiable. The ”Big bags” is also equipped with a strap in the bottom for easy deployment. Note that deployment by using the single strap in the bottom gives only SWL120 Kg. In such cases, the deployment must for example be done in a way that the “big bag” lays in a larger container. Ensure that the compacted waste also has easy evacuation from the “big bag”. Never stand or walk under a hoisted “big bag”.

The “big bags” are specially designed for the Delitek containers and can be ordered from Delitek AS. See chapter 8.0 for ordering information.

3.2 Installing ”Big Bag” in the container

Place the “big bag” in the container and fasten the straps, as indicated in Figure 10.
Be sure to use all four straps when lifting full “big bags” out from the container (onboard crane may be used)

Figure 10. Installation of big bag into the container.

4.0 El-motor for crushing unit, DT-500GC Glass Crusher

4.1 El-motor

Electric motor: Bevi 90-4	
Insulation class	F- IP 56
Guaranteed output	1,5 kW (2hk)
Rotation speed	1415 rpm
Rated current	220V-6,5A. 380V-3,7A. 440V-2,8A.
Starting torque	2,4M/A
Starting current	5,3 I/A
Net weight	15.3 Kg
Colour code	RAL 5005

5.0 ELECTRIC DIAGRAMS

5.1 400-480V

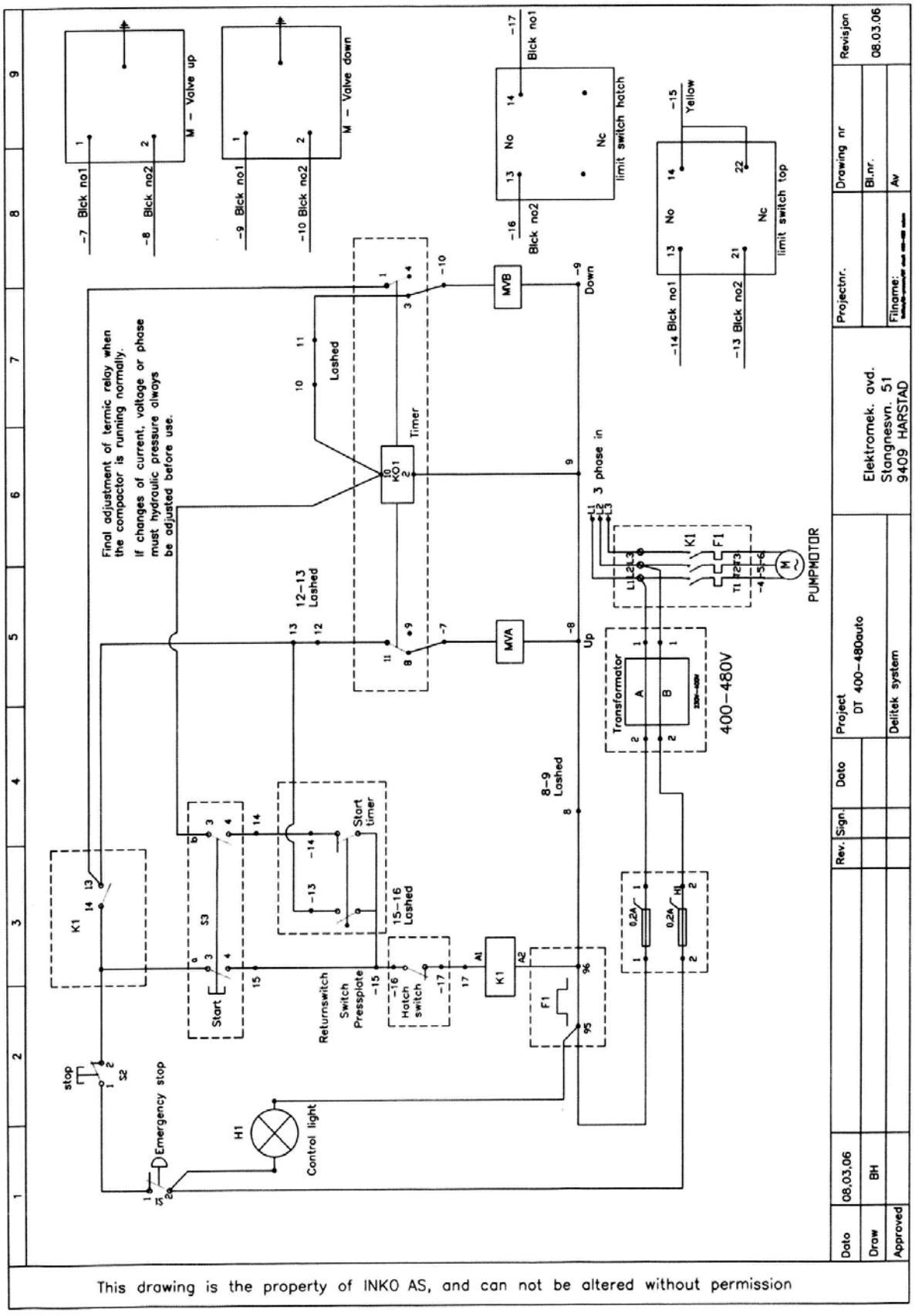

Figure 11. Electric diagram 400-480V

5.2 220-240V

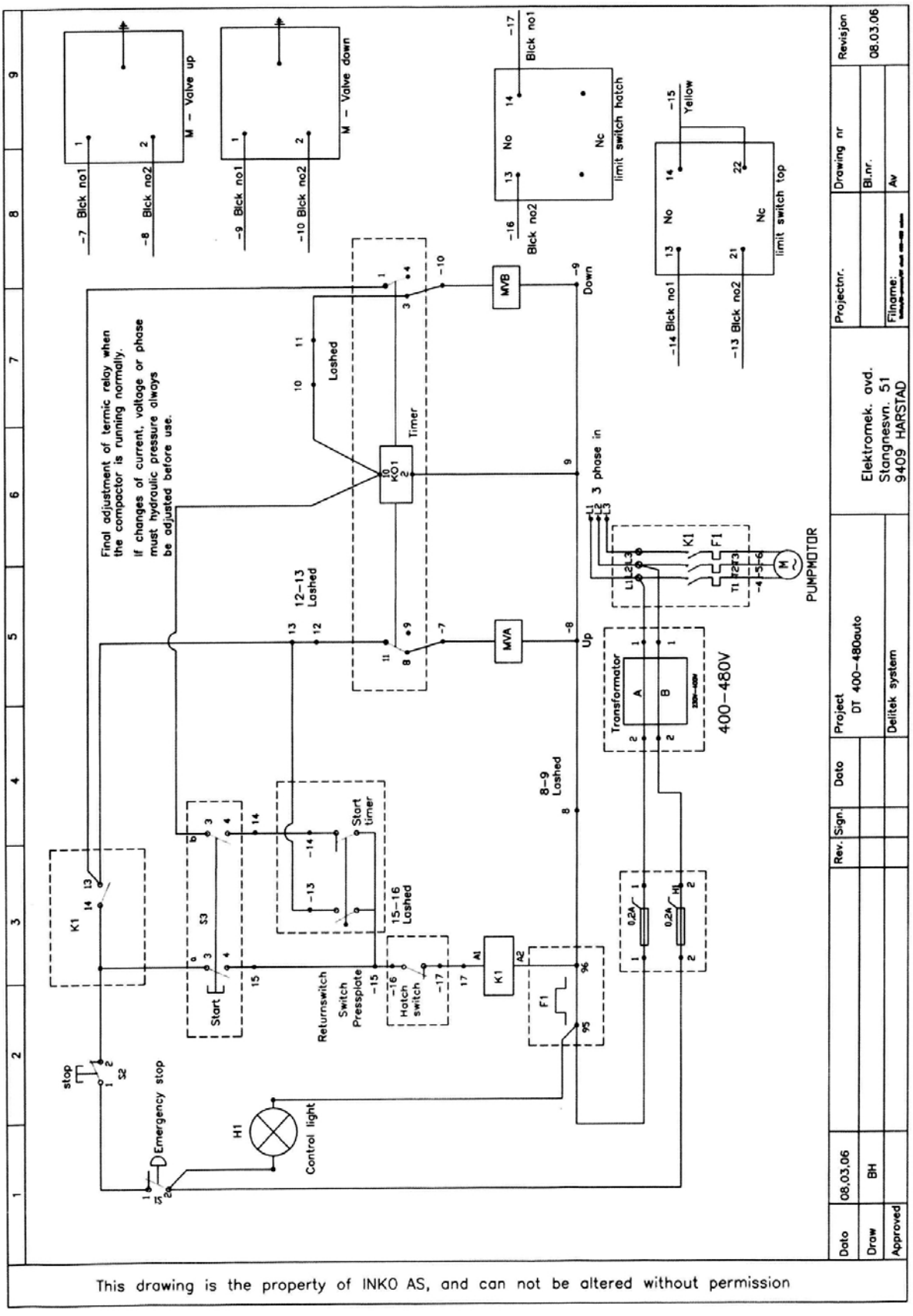

Figure 12. Electric Diagram 220-240V

5.3 Electric panel, externals – part list

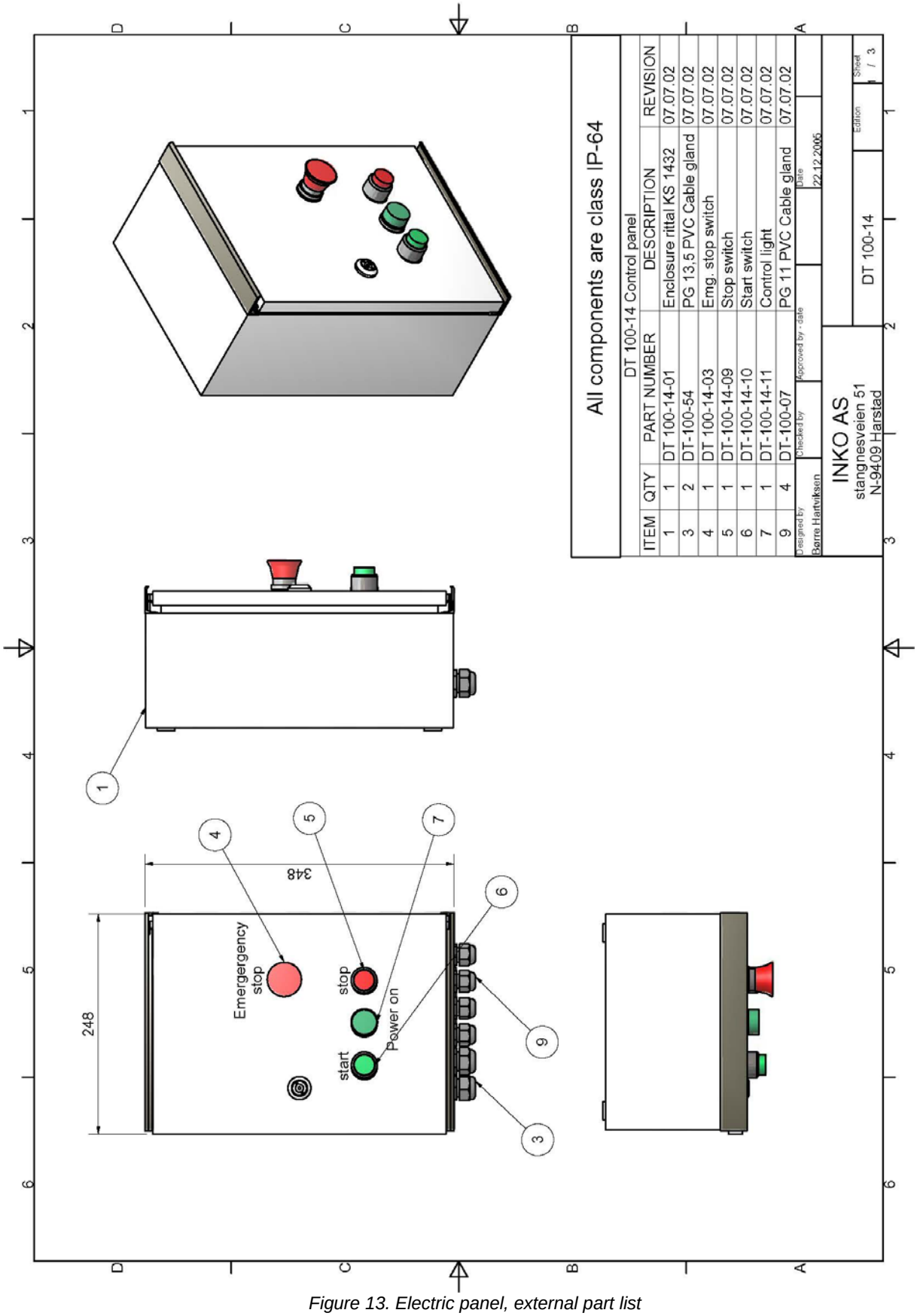
All components are class IP-64
DT 100-14 Control panel
ITEM | QTY | PART NUMBER | DESCRIPTION | REVISION
1 | 1 | DT 100-14-01 | Enclosure rittal KS 1432 | 07.07.02
3 | 2 | DT-100-54 | PG 13,5 PVC Cable gland | 07.07.02
4 | 1 | DT 100-14-03 | Emg. stop switch | 07.07.02
5 | 1 | DT-100-14-09 | Stop switch | 07.07.02
6 | 1 | DT-100-14-10 | Start switch | 07.07.02
7 | 1 | DT-100-14-11 | Control light | 07.07.02
9 | 4 | DT-100-07 | PG 11 PVC Cable gland | 07.07.02
Designed by Børre Hartviksen
Checked by
Approved by - date
Date 22.12.2005
INKO AS
stangnesveien 51
N-9409 Harstad
DT 100-14
Edition
Sheet 1 / 3
348
248
Emergency stop
stop
start
Power on
1
3
4
5
6
7
9

Figure 13. Electric panel, external part list

5.4 Electric panel, internals – part list

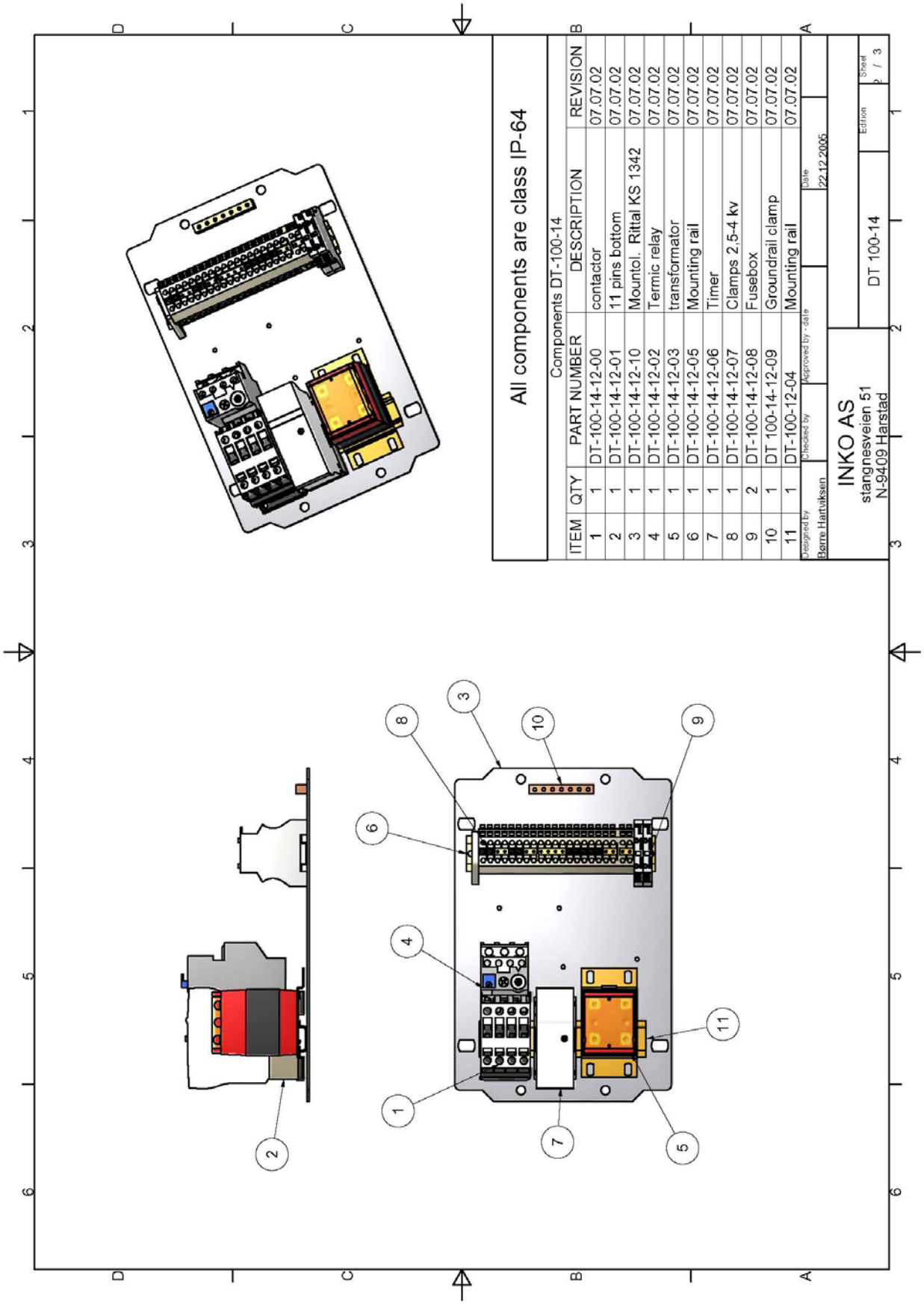
All components are class IP-64
Components DT-100-14
ITEM | QTY | PART NUMBER | DESCRIPTION | REVISION
1 | 1 | DT-100-14-12-00 | contactor | 07.07.02
2 | 1 | DT-100-14-12-01 | 11 pins bottom | 07.07.02
3 | 1 | DT-100-14-12-10 | Mountol. Rittal KS 1342 | 07.07.02
4 | 1 | DT-100-14-12-02 | Termic relay | 07.07.02
5 | 1 | DT-100-14-12-03 | transformator | 07.07.02
6 | 1 | DT-100-14-12-05 | Mounting rail | 07.07.02
7 | 1 | DT-100-14-12-06 | Timer | 07.07.02
8 | 1 | DT-100-14-12-07 | Clamps 2.5-4 kv | 07.07.02
9 | 2 | DT-100-14-12-08 | Fusebox | 07.07.02
10 | 1 | DT 100-14-12-09 | Groundrail clamp | 07.07.02
11 | 1 | DT-100-12-04 | Mounting rail | 07.07.02
Designed by
Børre Hartviksen
Checked by
Approved by - date
Date
22.12.2005
INKO AS
stangnesveien 51
N-9409 Harstad
DT 100-14
Edition
Sheet
1 / 3

Figure 14. Electric panel, internal part list

5.5 Wiring diagram 400V / 230V ("Y" or "Δ" configuration)

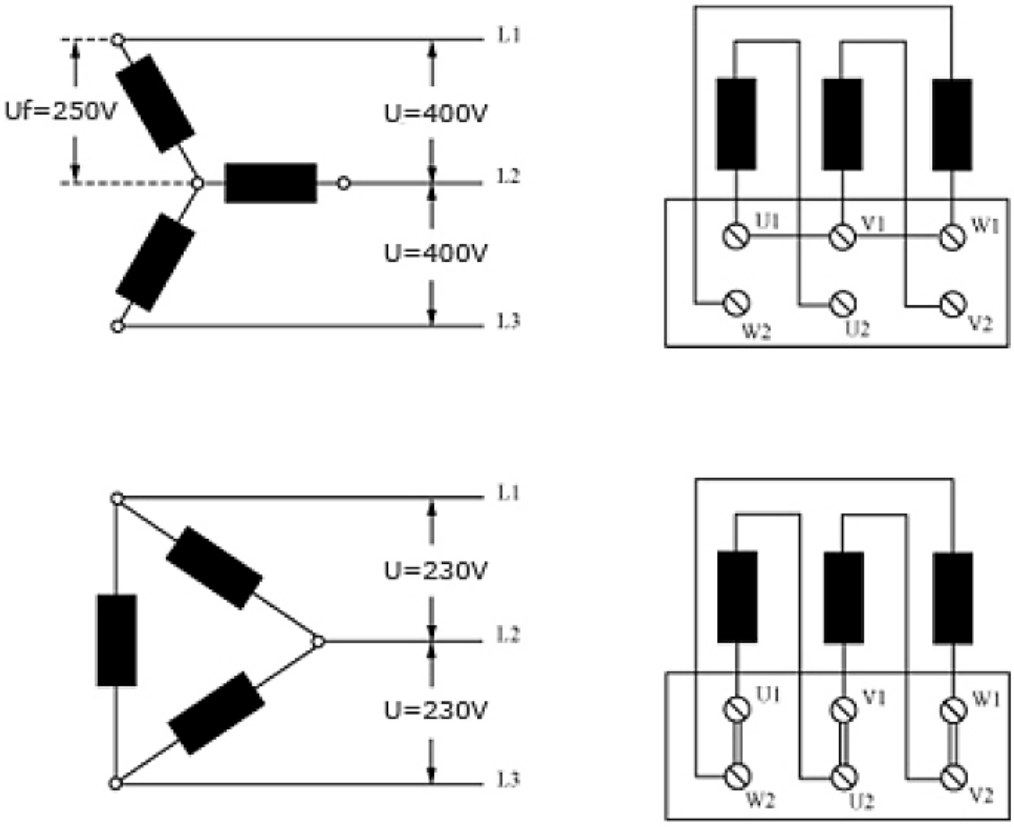

Figure 15. Wiring diagram for el-motor.

6.0 SERVICE/ MAINTENANCE

6.1 Service/Maintenance plan:

The DT-500GC Glass Crusher has not many moving parts that need special maintenance. However, please follow these service instructions.

Note! For every service interval and other regular controls: Function test of safety switches and emergency stop function must be performed by qualified personnel.

On start up:	Qualified personnel must check the el- locker (el- panel) for damages or water-leaks. Cable-nipples, guide tubes, gaskets and sealing on el-panel and motor are controlled and tightened up if necessary. Do a function test of safety switch in the hatch and emergency stop function.
6 months:	When the unit is running. Observe for unusual sounds, vibrations or any other problems during operation.
1 year:	Inspect the container wheels. Be sure that the front wheels can turn in all directions and that all wheels spin freely. If necessary replace damaged wheels. See also chapter 8.
2 years:	Main service. Qualified personnel must check the el- locker (el- panel) for damages or water-leaks. Cable-nipples, guide tubes, gaskets and sealing on el-panel and motor are controlled and tightened up if necessary.

6.2 Surface treatment

In order to keep a nice and shining surface, it is very important that the glass crusher is washed and cleaned with regular intervals, and at least once every second month. This is to avoid discolouring and corrosion.

Wash the compactor with a strong neutral detergent (for industrial use). Be sure to take all necessary precautions and read the data sheet for the detergent carefully before use.

It is recommended to use a high-pressure washer in order to flush the compactor after washing.

Note: Avoid flushing directly on the el-locker and el-motor.

7.0 TECHNICAL SPECIFICATIONS

7.1 DT-500GC

Volume collection container	0,5 m³
Total height	1809 mm
External dimensions (W x D x H)	976 mm x 1022 mm x 1809 mm
El. Motor	1,5 kW
El. Power	220V/ 380~440V/ 480V/ 690V, 50~60Hz, 16A, 3 phase
Weight (including container)	236 Kg

8.0 SPARE PARTS AND "BIG BAGS"

8.1 Ordering information

"Big Bags" and spare parts for Delitek DT-500GC Glass Crushers can be ordered from Delitek AS or by contacting one of our agents:

Address:

Delitek AS, Moloveien, N-8432 ALSVAAG, NORWAY

Tel.:	+ 47 76 13 47 00
Fax:	+ 47 76 13 42 77
E -mail :	mail@delitek.no
URL:	http://www.delitek.no

8.2 Service and technical information

INKO AS, Stangnesveien 51, N-9408 HARSTAD, NORWAY
Tel.: +47 77 00 26 70,
Fax: +47 77 00 26 90
Contact: Mr. Leif Andersen
E-mail: technical.delitek@inkoas.no

9.0 WARRANTY

9.1 General conditions

Delitek AS guarantees that this product is without defects regarding materials and workmanship, for a period of 12 months from original retail purchase date. To obtain warranty service, the purchaser must first contact Delitek AS within the warranty period, in order to obtain information and replacement of parts or unit. All inquiries must be accompanied by a description of the problem and the serial number of the unit (this is engraved on the nameplate found on the right side of the waste glass crusher). Proof of purchase must be presented in the form of an original invoice or other documentation, which shows that the product is within the warranty period. The warranty does not cover claims for damages due to abuse, neglected maintenance, modifications or attempt of repairs by unauthorized personnel. Delitek AS will not be liable for and denies any responsibility for accidental, indirectly or other damages on amongst other property or personal injuries as the result of wrong use or neglected maintenance of the product.

See section 8.2 for contact information.

10.0 TROUBLESHOOTING GUIDE

10.1 Troubleshooting

If you experience problems while operating the DT-500 glass crusher, please use the following table to check for possible causes and solution before contacting Delitek AS/ Service for assistance.

Symptoms	Cause	Solution
The indicator light for "VOLTAGE ON" on the el-panel is not lit and the glass crusher does not respond when the **start** button is pressed (see fig. 9).	No voltage to the unit.	Check if the main el-cable has been unplugged. Check if external fuses may be blown. Check if internal fuses in the el-locker are blown.
	Failure or breaches in main electric cable.	An authorized electrician must inspect the cable and plugs for breaches or failure.
The indicator light for "VOLTAGE ON" on the el-panel does not light, but the glass crusher starts when the **start** button is pressed.	The indicator lamp for "VOLTAGE ON" is defect.	Replace the lamp.
The indicator light for "VOLTAGE ON" on the el-panel is lit, but unit does not start after pressing **start** button on the el-panel.	The loading hatch is not closed properly and the security switch in the hatch is not activated.	Close the loading hatch properly.
	The el-connection between the el-panel and motor may be broken or damaged	Please let an qualified electrician check this
	The el-motor may be damaged or malfunction	Please let an qualified electrician check this
The glass crusher do not crush the glass satisfactory	Problems with the source for the el-supply.	Check that the electricity output connection conforms to the waste glass crushers specification. For instance (440V/60Hz/3 Phase).
	The electric connection in the el-panel is wrong or out of phase.	A qualified electrician must inspect the glass crusher and make sure that the el-motor rotates counter clockwise when operating. Remove the covering of the el-motor on top of the glass crusher and make a visually check the el-motor when operating. If the el-motor turns clockwise, the electricity connection is wrongly connected. The glass crusher will seemingly operate as normal, but may not be able to crush the glass properly. Please have the el-connection rewired according to electricity diagram found in the user manual. A qualified electrician must do this. If the el-motor turns counter-clockwise and as indicated by the arrow symbol on the motor, the el-connection is correct.

Symptoms	Cause	Solution
The container is difficult to move and maneuver.	Wheels may be defect	Control the wheels on the container, and check that they are free rolling. Contact Delitek and have the wheels replaced if some of them is defect. Two of the wheels (front) have rotating action and two (rear) have fixed direction.
The loading hatch refuse to rest in open position	One or both of the gas pistons on the hatch are defect	Contact Delitek AS and order for spare parts. See chapter. 8.

11. APPENDIX 1

11.1 DnV Certification

DET NORSKE VERITAS

STATEMENT OF CONFORMITY

Application of: Council Directive 98/37/EC of 22 June 1998, issued as "Forskrift for Maskiner" by the Norwegian Directorate of Labour Inspection.

Statement no.: AACAAJHI

This is to certify that the technical documentation for the product:

Avfallskomprimatorer og emballasjepresser

Identification : DT-80, DT-100, DT-500, DT-1500, DT-1000B, Dt-1500B, DT-500 COMBI, DT-2000

Responsible manufacturer

DELITEK AS
Havnegata 7, 8430 Myre, Norway
Manufactured by
INKO AS
PB 772, 9487 Harstad, Norway

complies with the requirements applicable to it

The manufacturer's Technical Construction File (TCF) and the product has been reviewed and found to comply with the requirements in Annex V, section 3.

Limitations:
Any modifications made to the machine shall immediately be reported to Det Norske Veritas AS in order to examine whether this Certificate remains valid.

Harstad, 13. November 2002
for Det Norske Veritas AS
Harstad Maritime

Knut Hertzberg
District Manager

Dag Julian Eilertsen

Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this receipt invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 85/374/EEC.

12. APPENDIX 2

12.1 Spare part list

Main	
Item	Part-number
DT-500GC Glass crusher chassis	DT500GC-00
Inspection hatch	DT500-02
Handle for hatch	DT100-500-02
Fixed rubber wheel for container 100-36	DT100-36
Rotating rubber wheel for container with brake	DT100-37
Security bar for locking container to unit	DT-500GC-00-10
Knob for locking security bar to unit	DT-100-05
Crushing unit	
Crushing unit, complete	DT-500GC-01
El motor 90-4 IP56	DT-100-01-00
Cylinder head cap screw	DIN 912 –M8 x 20
Cylinder head cap screw	DIN 912 –M8 x 30
Cylinder head cap screw	DIN 912 –M8 x 12
Circular plate between el-motor and crusher knife	DT-500GC-01-00
Crusher knife	DT-500GC-01-03
Feeding tube for bottles	DT-500GC-01-04
Electro Equipment	
El-locker Standard enclosure, Rittal KS 1432	DT 100-14-01
Cabel motor pr m	DT-100-14-10-10
Safety switch for hatch	DT-100-14-11
PG 13,5 PVC Cable Gland	DT-100-54
PG 11PVC Cable Gland	DT-100-07
Emergency stop switch	DT-100-14-03
Stop switch	DT-100-14-09
Start switch	DT-100-14-10
Control light	DT-100-14-11
Contactor	DT-100-14-12-00
11 pins bottom	DT-100-14-12-01
Mountol. Rittal KS 1342	DT-100-14-12-10
Termic relay	DT-100-14-12-02
Transformator	DT-100-14-12-03
Mounting rail	DT-100-14-12-05
Timer	DT-100-14-12-06
Clamps 2,5-4kv	DT-100-14-12-07
Fusebox	DT-100-14-12-08
Groundrail clamp	DT-100-14-12-09
Mounting rail	DT-100-14-12-04